ThermalKEM Inc. 454 S. Anderson Road, BTC 532 Rock Hill, SC 29730 803/329-9690

September 1, 1989

### Dear Customer:

Our records indicate that you may be a generator of waste material that is subject to the "soft hammer" requirements of the current Federal Land Disposal Restrictions. Attached for your convenience is a copy of the ThermalKEM Restricted Waste Notification Form. A list of the wastes currently affected by these requirements is contained on that form. If you plan to ship one or more of these wastes to ThermalKEM for treatment, the Federal regulations stipulate that you must provide both of the following:

#### **Demonstration and Certification**

This document must be prepared and sent to your regional RCRA Administrator. A copy of the demonstration and certification must be sent to ThermalKEM with the initial shipment of the waste. The document should list all relevant waste codes and must include a list of facilities, facility officials contacted, addresses, telephone numbers and contact dates. An example demonstration form is attached.

### **Shipment Certification**

Each shipment of the demonstrated waste(s) must include a certification statement that is signed and dated by an authorized representative of the generator. This statement is the same as the one contained in the original demonstration form (example attached; also see 40 CFR 268.8 (a), (2), (ii)). Note that only the certification statement, not the demonstration, is required for each subsequent shipment. For your convenience, the "soft hammer" certification is contained on the ThermalKEM Restricted Waste Notification Form and may be used to satisfy the requirement.

Finally, please note that the attached list of waste codes are those that are currently affected by the regulations. The list may change when the regulation is revised as expected on May 8, 1990.

If you have any questions regarding this information, please contact me at (803) 324-5310 or contact your ThermalKEM Sales Representative.

Thank you for your cooperation.

Sincerely,

Dallas C Robinson

Dallas C. Robinson Compliance Director

268846

Generator Na	ıme:	Date:
Address:		_
City:	State: Zip:	
Phone #: (	)	
Contact: Na	ıme	
		_
Mr		<del></del>
Regional Adn United States	ninistrator Environmental Protection Agency	
Region		
		<u></u>
		<u>.</u>
Dear Mr.		
	•	•
RE: "First 7	hirds and or Second Thirds" Landfill Ba	an Demonstration and Certification for Soft Hammer Wastes.
This letter se	rves as the demonstration required in	40 CFR 268.8(a)(1).
generates the	e following soft hammer wastes and shi ock Hill, SC 29731-2664. The "soft han	ps them to ThermalKEM, Inc., 2324 Vernesdale Road, P.O.
(EPÄ Waste ID Codes	)	
This waste is	to be thermally treated. This treatmen	it will provide the greatest environmental benefit.
In the search	for acceptable treatment facility for the	ese materials, the following facilities have been contacted:
Facility #1	ThermalKEM Inc.	
	2324 Vernesdale Road	
	P.O. Box 2664	•
	Rock Hill, SC 29731-2664 Contact: Dallas C. Robinson	
	(803) 324-5310	
(Facility #2)	The second of th	
(Facility #3)		
DEMONSTRATION. II	E IMEAIMENI) BY THE PRACTICALLY AVAILABLE TECHNO	B.8(a)(1) HAVE BEEN MET AND THAT I HAVE CONTRACTED TO TREAT MY WASTE (OR WILL OLOGY WHICH YIELDS THE GREATEST ENVIRONMENTAL BENEFIT, AS INDICATED IN MY CCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR IMENT."
		Sincerely,
		Signature
		Name
		Title



# GENERATOR RESTRICTED WASTE NOTIFICATION LAND DISPOSAL RESTRICTIONS COMPLIANCE

This form meets generator restricted waste notification to ThermalKEM inc. of Rock Hill, SC as required by 40 CFR Part 268.7. The notification statement under category V below is not required by law. However, we strongly request that you adhere to the intent. It has been written and included by ThermalKEM for the safety and benefit of our customers and our employees.

	ors	State ID Number	Manifest Number	
Va:	ite /	Analysis Available? Yes	No If yes, attach copy per 40 CFR Part 268.7 (a) (1) (iv).	
	June /our	8, 1989, but are treatable at Thermwaste is classified as any of those	TION (Corresponding Treatment Standard(s)) Certain wastes have been restricted from land disposal e IKEM. Restricted wastes treatable at ThermalKEM are listed in the attached Tables I, II and the addendum to Table to Tables I, II and the addendum to Table V, write the ST number(s) and waste code(s) below and check (a the appropriate code(s) and treatment standard(s) in the attached tables.	le V. I
	ST	Number	Code(s):	
	ST	Number	Code(s):	
	10 C	ication that the waste does not co	ed and am familiar with the waste through analysis and testing or through knowledge of the waste to support mply with the treatment standards specified in 40 CFR 268, Subpart D and all applicable prohibitions set for Section 3004(d). Therefore the waste must be treated by the appropriate regulatory treatment standard cable) prior to land disposal.	orth ir
I.	WA: or w	STE SPECIFIC PROHIBITION hich land disposal is prohibited. If yo	S. (California list wastes.) Additional notification is required under 40 CFR Part 268.32 (j) to state specific character waste contains any of these constituents or meets any of these properties, please check below.	eristics
		1) pH≤ 2.0	3) Halogenated organic carbon, (HOC's) ≥1000 mg/1	
		4) Liquids or any free liquids a	sociated with any solid or sludge, containing the following metals or compounds of these metals:	
		Arsenic (As) ≥ 5 Lead (Pb)≥ 500 Nickel (Ni) ≥134	0 mg/1	
	ST	Number	Code(s):	
	٠.			
	ST	Number		
I.	ST SOF	Number	Code(s):	llowinç
I.	SOF notific	Number  T HAMMER RESTRICTIONS cation statement. Also circle the app  Number	Code(s):	llowing
I.	ST SOF	Number	Code(s):	
l. /.	SOF SOF ST ST other belie nclu A co a cop	Number	Code(s):	or will ation. attach
l. /.	SOF SOF ST ST other obelie inclu A co a co l WA: Table	Number	Code(s):  Code(s	or will ation, attach sted ir ication
l. /.	ST SOF CONTROL OF CONT	Number	Code(s):	or will ation, attach sted ir ication
J.	SOF notified ST ST ST orthee inclu A co or a or a co or or a co or a or a co or or a co or a or a co or or a co or a co or or a co or or o	Number	if your waste is one of the codes listed in Table III, write in the ST Number(s) and waste code(s) and check the formatte waste code(s) in the attached table.  Code(s):  Code(s):  Code(s):  At the requirements of 40 CFR 268.8 (a) (1) have been met and that I have contracted to treat my wastes (actically available technology which yields the greatest environmental benefit, as indicated in my demonstration is true, accurate, and complete. I am aware that there are significant penalties for submitting false informationment.  Environmental Protection Agency was sent to ThermalKEM with the first shipment \( \triangle \trian	or will ation, nation attach sted in ication
l. /.	SOF notified ST ST ST orthee inclu A co or a or a co or or a co or a or a co or or a co or a or a co or or a co or a co or or a co or or o	Number	Code(s):  If your waste is one of the codes listed in Table III, write in the ST Number(s) and waste code(s) and check the for opriate waste code(s) in the attached table.  Code(s):  Code(s):  At the requirements of 40 CFR 268.8 (a) (1) have been met and that I have contracted to treat my wastes (actically available technology which yields the greatest environmental benefit, as indicated in my demonstrate is true, accurate, and complete. I am aware that there are significant penalties for submitting false informal personment.  Environmental Protection Agency was sent to ThermalKEM with the first shipment \( \text{Y} \) \( \text{N} \). If no please NCINERATION Incineration is the required treatment for certain wastes as of June 8, 1989. These wastes are I of those listed in Table IV, write in the ST Number(s) and the waste code(s) below and check (,/) the following notification statement.	or will nation. nation attach sted ir ication
j.	SOF SOF ST ST ST ST ST WA: Table state: ST ST	Number	Code(s):  Code(s):  Code(s):  Code(s):  At the requirements of 40 CFR 268.8 (a) (1) have been met and that I have contracted to treat my wastes octically available technology which yields the greatest environmental benefit, as indicated in my demonstrate true, accurate, and complete. I am aware that there are significant penalties for submitting false informationment.  Environmental Protection Agency was sent to ThermalKEM with the first shipment \( \text{Y} \) \( \text{N} \). If no please of those listed in Table IV, write in the ST Number(s) and the waste code(s) below and check (,/) the following notification statement.	or will nation. nation attach sted ir ication

Title:

Print Name: \_

# **TABLE I**

## **Treatment Standards For Land Banned Restricted Waste**

This restricted waste category is banned from land disposal under 40 CFR Part 268.30, 268.33 and 268.34 and is subject to one or more treatment standards under 40 CFR Subpart D. Complete the information in Table I below by circling the appropriate waste code(s) and treatment standard(s).

	ARREAD NO.	22.134.0	Autorition		FAMILE A	2 K023 K024 K028				Input Total	1 1/112				607 Julies 907	
,1,1,2-Tetrachloroethane		Life .				5.6			7 997.3			4.78	5.6	5.6	<u> </u>	
,1,1-Trichloroethane		3393	18574	<u></u> 0.0	6.0	6.0	6.0		6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1555 1555 1555	<u> </u>	0.044	1000			832
,1,2,2-Tetrachloroethane	122	200 <u>4</u>			5.6	5.6		## T	6798	Page 1			5.6	5.6 6.0	5650 1670	6.253
,1,2-Trichloroethane	(4.1)	98.5	L-S			6.0	_		735	1223	34.74		6.0	6.0	201 (48) 28(25)	5325
,1-Dichloroethane			147.55	<u>#</u> 0.0	1.33	1-5-14 1-5-14		E-NEW			1.5.5			-		
.1-Dichloroethylene		57°. 1-41			[43]		6.0	MATERIAL STATE OF THE STATE OF			184					
,2-Dichlorobenzene		10:2	(har	4	TO:	(534A	_ 0.0	Wille	6250	18.3	1348	0.49	2843		E.N.	94.61
.2 Dichloroethane	945 AU	\$1.5P		6.0	6.0   6.0		6.0	J-63-61		P. STORY	Hai A		564		TA-SAT	Sales.
,2-Dichloropropane	15,54	及常門	Hi Zi			热键		MARKS.	(C.2)	Bari	<b>阿斯罗</b>	1.54			Section,	7.60
,2,4-Trichlorobenzene		ALIGNY	(Alary	1	19			19	r.d.	MEE P	Lake	449	984	_ 19		Asia
									F							1
,2,4,5-Tetrachlorobenzene					II Yan			14	4-1-11-11-11	MONTH PARTY.			Opposition of the Control of the Con		- W. S. C.	400.000
,3-Dichlorobenzene		1000	pr vi		647.7527 669.753						10 S. 10 S	11.5		5.6	Programme of the control of the cont	
,3 Dinitrophenol			RALA Solat					ESFE	82			ALSE!	8.00 M			5.6 5.6
.4,5-Trichlorophenol	Jan 1	8843A			Many I	150 FM			8.2 7.6	100004	CA49		683163		ASSES	1000
2,4,6-Trichlorophenol			PRESERVE FOR THE PROPERTY OF T	8	1,531 k d			1981 1981 1982 1983								10 THE
.4-Dichlorophenol					Ref. 1	k#7)			0.38							
:,4-Dichlorophenol	5000	14.24	for any	<u> </u>	130.1	Facili		PERM	0.34	15.83	WAXA	220	36.3			
-Chloro-1,3-butadiene		V54.5	1000		f and			575.4	k 1/452 i	Wast.	6(3)	e de la	200		NOTES:	LANCE OF
-Chloropropene		1429				20 - Sel			0.53	Da 1	5754	333	1650F 2 04 FE 275005		CW 307	K. AN
cenaphthalene		1400 TO		d	[3:3]	17.723		F2.33	0.334		HS250	3.4	MA.		l Fired	964
		(C) (Sel)		1	63.1				L. C.			6.55				2 12.45
cetone		alsh	1		E <sub>le</sub> \	20.00			10117 1444	\$40.2700 W/R		0.37				
cetonitrile		1.8 1.8	1.8		Establica I	Week.			E. Sald		3524	d in	KSN		3133	18953
cetophenone	F040	272Pales1			19	Viscol 24		6#EX	MATERIAL STATES		F2-53	724	1467627		<b>国本海</b>	
crylamide		2323	23		1439 1631	機能を利 いたなお			E-15-15-15		296		10.05			Section 1
crylonitrile	ALCOHOL:	1.4   1.4	1.4	B		60000		20th-Hota	ERG			9-12-0-18-1 9-12-0-18-1	E TANKS			16473
niline		100		5												
Inthracene		700				Et Stal			100.32	6.2	6.2	(1.2 Mg)	PAR		KANES	5.6 5.6
Renzene	ESS .	0.03 0.03			18441	F. CHICARDE			1.34	9.5		0.071				6.0 6.0
lenzo(a)anthracene		3/5/25			(F5/17)	D4466			.596		1.4	1000	568.56		STOREM	
Benzo(a)pyrene	7.24	125		ŧ.	(A.C.)	( 1 ( pop )		CART.	1.65%	3.0		MALE.	4963H		1853	Later
		i a K	1200		125.51	1953			[35.]			4	iā.			J.
3is(2-chloroethyl)ether					5.6	(10.0)		[漢語]	1970		10014				- At A - A -	
is(2-ethylhexyl)phthalate	1 ( 1 ( 1 ( 1 ( 1 ( 1 ( 1 ( 1 ( 1 ( 1 (	<u> </u>	B.S	7	100	E.S.F.		1,714	1.59	37 37	37	0.49	1.5%		# 10 A	200
Chlorobenzene	77g	500	E STATE		6.0	129		[602]		LECT.	10000		F199.F		<b>延</b> 。27	11.至至
Chloroethane	6.0	. 1			E Coria			440	1004 1000	10000000000000000000000000000000000000	1,5	#4V#4	565			F.230
Chloroform	6.0	6.0	R2 (%)	3	6.0	E SET	6.0	F-1204	1777732	EANS.		1202	19.50		REE .	254
`h=.cono			6.03		12.0						F & T	3.4				
Chrysene Cis-1,3-Dichloropropene				91 14	DOM: OF A					2.2   2.2	2.2	3.4	- ROTAL ST		Title C	Carper I
Cyanide (amenable)		26041	C.S.		ACRES A	W.C.			1.22.1	#ZE	1,1874	15/86	78.41		Sec.	P. Gard
vanides (total)		57 57	57		E3531			THE PARTY OF THE P	1225	1.8 1.8		1960	VP JE		Maria Seri	1.8
cyclohexanone				ii)	450			REST	MARK		1.0 (1.0 1.0	0.49			To a second	1.0
,,				å	EEC 1	E 28		Ket		2.55	LIESTA					187
Diethyl phthalate					EARTH.				Mal			3.2			Maria I	1892
Dimethyl phthalate		1.0	75.2		FR 151	19.18.1		KREET	64/54	180	Safe Fig.	12364	(5.3%)		164 (1)	
i-n-butyl phthalate		2358	Si ili	4	(2)			SM.	(855)	4.2	4.2	<b>30.7%</b>			WC324	A SERVICE
Di-n-octyl phthalate	W.T.	E \$ 16.5	Line		let 301			N. Company	Last i	le se	IS.A.		22.LH		C749	Garage and the second
Disulfoton		404	1949		FE 81.	[53-ja]		<u>F-4d</u> 0.1	157.5	E H	Mittel	<b>角</b> .			17.5	
					100	Fig. 3						44.7	(2)		15.1	
thyl Acetate		1,111111111	15,000 611		1.5.3	i de la		MUNI	1 (2013)		Feire	0.37.	r 554		24.1	1,000,000
thylbenzene	Secretary Secretary	7/E/F	William Co.			14.61 14.61		E. J.	17.24	67 🧣 67	67 <sub>.</sub> 67	0.031	W252		. Tari	1974
amphur		30/11			18.7.19 10.895.98	2 52		RIVA Edward				124	32.52			
luoranthene		4.202 7.556	1 de		£1516	9666		INCOM.	IN THE REAL PROPERTY.	524	ASA	3.4			1/2ml	Lagra
lexachlorobenzene			28	28	10.55						[20]62 [20]62				final de la company	
		1/20/07 SVS (10)								10.1	ESEC				1500	180

# TABLE I (Continued)

Tot	tal Composition, mg/1	200 HOTE (2008 SEE	F008 F009 F010	F011 F012 F024 -	- P013 P021	P029 P030 P039	P063 P071 P074	P089 P094 P097	P098 P099 P104	P106 P121 —	U028 U069 U088	U102 U107 U190	U235 🚐
1.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	500				沙塘塘			and the second				150 mg/d
2. 3.		1542 1510				l l l		E\$35	(254)	400	7.850	0.830	
4.	1,1,2-Trichloroethane	126941				1.426	(20 mm)	indian .		The state of the s			BEARING BEARING
5.	1,1-Dichloroethane			0.014	1977	AT SEE	artige.	<b>1877</b> (4)	ner e	4000	75 (17.1)	200	18 (25) 1894: 1
6.	1,1-Dichloroethylene	NA.											l. b.:Xiva
7.	1,2-Dichlorobenzene	0.02.51	Sec.		Lagran	656	(A) Call				55 W 1975		E. C. 2
8. 9.				0.0140.014	1200	1413		Basel .		XXX.	- MACO	1000	PER CO
10.			E295"	0.014	13,000	1.57E					3.77		10.0
11.	1,2,4,5-Tetrachlorobenzene						je j						
12.			65 C 7		Franks						y a series		9/50/50
13.		1.78 Sept.	6(4)		(AMAZ)	<b>111</b> 0		B-2201			## 6 A	ACV	10 to
14. 15.		<u> </u>					(f) (133)				E de la		145724
	•		医检验性								0.98	10 PT ACR	
16. 17.					THE SERVE		\$45 / Sh	63.37	(FSE)	in the			
18.	2-Chloro-1,3-butadiene	V. 34.24		0.28	Sanitari Despera		(5.9.25) (7.2.25)				49 mag	CF-3	BEREIN.
19. 20.		00 <b>%</b> 8 80	6897	0.28	L-TH-E	The state of the s	6.2	1873.	12 PE			44.73	
ZŲ.	Acenaphthalene				1763	1 (-) The	77.694.1 8.33 . m	Property of the second	ESSENTIAL A	755		4.35	(2) 3/13 2 4 4 5 1
21.		Harder Steel Strip				<u> </u>					7/4		
22. 23.	Acetonitrile Acetophenone	75.3			(2275) -2327	(4)49	12.00	15557	4-1	7-17	****		
24.	Acrylamide	1227	Res A	ENERGIA:		17 (A.2.7) (A.2.7)		5574 55800		3/3/2i	\$1.40m	5529	Maga.
25.	Acrylonitrile		E4254		1550	1023.00	67×43			2.00	1988	09060	- 関係により ヒッジの
26.	Aniline					2000					2.46		The first
27.	Anthracene	24.24	ETC. CO.	A STATE OF	E E		25 m		2542.5			16.78.9 短期編集	Page 1
28. 29.	Benzene Benzo(a)anthracene	22			Fair and	**:	6475	<b>的</b> 要在190					
30.	Benzo(a)pyrene	\$296 N	Marah 1	V - 100 C				Fig. 1		10.00	2 5 3 4 2 5 3 4	10.7 As	APP.
31.	Bis(2-chloroethyl)ether					100							10 Fe-10 Pm
32.	Bis(2-ethylhexyl)phthalate	- 27 Per		1.8					<b>建筑</b>	7"70030"700194	1,84,648		
33. 34.	Chlorobenzene	3841	Part of	LANCE OF	KFA USA	L.N.A.I	f 1				. 28	Ni Series	[A.1]
35.	Chloroethane Chloroform	1447 1534	E25.4				6634a				<b>超級</b>		ESS (
				(HE)	1.5423	15 5 4464		Part of			5 (4.27)	, and	
36. 37.	Chrysene Cis-1,3-Dichloropropene				74.13	(2.54)							
38.	Cyanide (amenable)	Account to the second	- Grandwaren	9.1 9.1 0.014	9.1 9.1	9.1	9.1 9.1			25,065	A PARTIE OF	STATE OF STA	1896A
39. 10.	Cyanides (total) Cyclohexanone	590 590	590 590 1.5	110 110	110 110		110 110	Photo (2011) 3 a		9.1 9.1 110 110	X		95.75.11 95.75.11
ю.	Cyclonexanone	3500			Lo SISS		la Sala	\$2.54 Profits 2014			16.55	19974	
11.	Diethyl phthalate											14.5	
12. 13.	Dimethyl phthalate Di-n-butyl phthalate	3( <b>P)</b> 3( <b>F</b> )				6,74	1	77.	12450		28	26	Line I
4.	Di-n-octyl phthalate	77.00	Sha N	CAST	10.23	27.54		KARAN TANAN	HEEV	1446		<b>2</b>	255
5.	Disulfoton	(A)			983.00	0.1	12 pt 2 pt	Page 1		Lagrage Control			(Title Water)
6.	Ethyl Acetate								1960.0				
7.	Ethylbenzene	WATE .	(A.A.)	NAME OF THE OWNER OWNER OF THE OWNER	CONTRACTOR OF THE PARTY OF THE							j., , ild	(E. 1)
8. 9.	Famphur Fluoranthene	<u>20 (4);</u> - 7 (2);					Line Andrea	0.1				1863 (1864) 1873 (1864)	Sept. 1
D.	Hexachlorobenzene	ATT SAME	\$180 april 5 120 april 5 120 april 5					REN	<b>科学校</b>	17.7	8 8	100 mg	
						18/18	MET 6.7			5. P. S			
1. 2.	Hexachlorobutadiene Hexachlorocyclopentadiene				12397-00-003						1 7 7 7		
3.	Hexachlorodibenzo-furans		PARKET I	0.001				HAT V. J	EREPHONES	390 B			
4. 5.	Hexachlorodibenzo-p-dioxins Hexachloroethane			0.001		4554	0.79					(A) (A)	
	uoi iioi ooti idilo			1.8	17.000 1.136.00		Alberta Comment		5. J. J.	226	16, 3578 16, 4779		######################################
						1.00	, 1 <sub>24</sub>					24.4	1031
			SWEETEN AND THE PARTY OF THE PA		L. Si	Lsichi					2547.4		1000

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Tota	al Composition, mg/1		F008 F009 F010	F011 F012 F024	— P013 P021	P029 P030 P039	P063 P071 P074	P089 P094 P097	P098 P099 P104	P106 P121 —	U028 U069≥ U088	U102 U107 U190	U235 —
56.	Hexachloropropene	42.4	a alla	iti i	i joini de	i de la			()	12,04,05 25,54		192.00	
57. 58.	Indeno (1,2,3,-cd) pyrene Methanol	<b>李斯克</b>	2010 N	110 mm - 120 20 mm - 120 20 mm - 120		6.355% VERSON		72 W		6.5.3 <b>%</b>		12.27	1 12 12 12 13 - An JAN 13 - 13 24 13
59.	Methyl ethyl ketone			20 C C C C C C C C C C C C C C C C C C C	州東第	ME7783 FGE	527;	rana a		Piller.	7.00	All desired	
60.	Methyl isobutyl ketone			全機機 サフを関 を連続	度(2007) 高速調	15.23.53 (n. 18.84)			625 F		A Mac	146 464 14 464	(40748)4 6.45484
61. 62.	Methyl parathion Methylene chloride		11000-341-10	4986	14. July 1	<b>特技</b>	0.1	66, 35,0490		A2040	, Sales		n.化性。
63.	n-Butyl Alcohol	Este I	off regres		100	#FF 157 158			P. Barris	12 A		E-R-66	F-8-481
64. 65.	Napthalene Nitrobenzene	143	(集) 原列	(TEN)				<b>                                    </b>	to will broad.	26.2	Marah	(1) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	1. 同时 <b>则</b>
		species y	1953	1) 整理 基	85, FF	<b>以</b>							- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
66. 67.	o-Cresol Ortho-Nitroaniline			149 Jan 3	10 min	150 1250					#1000 #1 48 201 #2 48 1	指揮:31	700
68.	Ortho-Nitrophenol	06 165	电影 即位	7 10 10 10 10 10 10 10 10 10 10 10 10 10	rista.	ide and	能得到	45.5	E WANT			株権 株  新安2世	(株本)
69. 70.	p-Cresol Parathion	5 P 3	raede.			學學		).1 体音引		A HOTA		10.00 M	16 K W
71.	Dentechlerch					1	444	19.04			30, 30, 9	[[4]]	
71. 72.	Pentachlorobenzene Pentachlorodibenzo-furans	200	P SECTION	0.001	Ladra Paga	ka Ma							An Calledon
73. 74.	Pentachlorodibenzo-p-dioxins Pentachloroethane	<u> </u>		0.001	[26] [186] [26]	(文型)	Law and the	rêt-jird		333	all chiles	Maleter .	护紧部
75.	Pentachiorophenol			135 151		Lear Hold			1 (200 m) 1 (200 m) 1 (200 m) 1 (200 m)	4.13		#36.57.E	01-50009E
76.	Phenanthrene			É	1 juined 1 juined		(B. 45)	(金金)	100		1925-55-29		
77.	Phenol	(in the last			6 3 5 1 6 3 5 1			togenera tris sea	Mark 7			ianaka marka	
78. 79.	Phorate Phthalic acid			5.48 (B)	rād kitai	i diam'i	1027110	0.1	(予論)	Annual Control	1987	The edge had	28. 30.41
80.	Phtalic anhydride (reported		多高級	\$15,000 Most		(1000 mg)				CAUTE IN			4.54
	as above)			( )			( 10 PK )		L intrast-re	6 % T/A	(Alterial)	28	10-78-78 10-78-78
81.	Pyrene	14 AM 25		\$12.50 \$12.50 \$13.50 \$1	新兴·沙 [6] (李)		e de la companya de l		13/4/		<b>战</b>		1 to the state of
82. 83.	Tetrachlorodibenzo-furans Tetrachlorodibenzo-p-dioxins			0.001	1 15 100 2 1 15 10 100 10 100		642	And the local		L Bala	Marine a	(Alaba)	197
84.	Tetrachloroethane		X17.7	Act 1	12 , 202 . 50	· · · · · · · · · · · · · · · · · · ·						72.3.1	128.5
85.	Tetrachlorophenols (total)			1.17 S.	模型型	E-7982		(SACAR)	224 (1) (b)	新兴斯·美国		9.45.kg	不要推翻
86.	Tetrachloroethylene	No. of the state o		r (file)	10 14 15 10 14 15 10 17 18 18 18 18 18 18 18 18 18 18 18 18 18	推 字 · · · ·			640			46.36	# 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
87. 88.	Trichloroethylene Toluene	2012			94 Keel	選 選 選 関	7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Kalasa E-A-ali	(Files)		16.025	er e	(4)
89. 90.	trans-1,2-Dichloroethene		286.49	<b>斯桑班</b>	要要用	4,24	高金物	建筑线线		\$77 <b>28</b>	da Paris	KAMTA NAKAT	ANT THE
<b>3</b> 0.	trans-1,3-Dichloropropene	11300		0.014	15. 25.5 10. 55.5	(新) (新)		2 4 3 M	Constitution	AZGM IFWAR	48.62	F-50-78-1	fa jega georg Farcille (allu)
91. 92.	Trichloroethylene tris-(2,3-Dibromopropyl)		200	<b>电影灌用</b>	See 1	127.5	<b>建</b> 16				All to	Ç. A. Sp.	pards
	phosphate	1000				<b>1</b>						6816.35	0.1
93. 94.	Vinyl chloride Xylene	15000 2000	1000		18年3	( 1/2 H)	The Control	n i	Section 1	州海城	and the same of th	3.5 i	0.1
95.	Sum of diphenylamine			Miller	*************************************				(4) (4) (4) (4) (4) (4) (4) (4) (4) (4)		22.2	466 688	
	and diphenylnitrosamine					(2.5. ) Let (8.4)			PRIDERY PRIDERY			<b>美雄師</b>	
						· 基							
TCL	PExtract	F006 F007	F008 F009 F010	F011 F012 F024	— P013 P021	P029 P030 P039	P063 P071 P074 P	089 P094 P097	P098 P099 P104 P	106 P121	U028 U069 U088	U102 U107 U190	U235 —
	Antimony, Sb	729		N.E.	(#Z)		(基 )(B)	UB ALL	18.71.1	Maria Cara Cara Cara Cara Cara Cara Cara			1000
	Arsenic, As Barium, Ba	NAME :		Chal	2.0		F# (F)	Pigg # Edi			12 (A)	123-103-1	
	Cadmium, Cd	0.066 0.066	0.066 0.066	0.066 0.066		Dig 98	1.55 Sept.	Laisen Danen	(MARA	140.72		# ne Y	(学) 100
5.	Chromium, Cr(total)	52 5.2	5.2 5.2	_ 5.2 5.2 Res	Eggg	[[為新]	PER:	S SUBSI		(3454) (3745)			30.65
6.	Copper, Cu	1	0.066 0.066 5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2							14.			
7.	Cyanide, CN		1806	9556	ie later	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)							
	Lead, Pb Mercury, Hg	0.51 0.51	0.51 0.51	_ 0.51 0.51.	16-346		626.64	HEIGH	24323	Esta	20000)	778427 227 34	F-2284
	Nickel, Ni	0.32 0.32		_ 0.32			0.32	(2.54) (3.54)	A STATE OF A	1446			KL-183
11	Solonium Ca	177	1 44	_ 0.02			0.32					NACE OF THE PERSON	145 W.1
	Selenium, Se Silver, Ag	1		0.072 0.072				2 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 /		P 1844			C. T. S. C. S. C. S. S. C. S.
13.	Vanadium, V	3.04			6923				0.072 0.072	ELEV.	3 40		10.10.4
14.	Zinc, Zn		P. S. d.	26.25	855*11		125.27	1.23			MONEY MARKER		Santa Pika
										77.74	tent wyll N. R.	Economic 1885	\$156.88528180

# **TABLE II**

# F001, F002, F003, F004, F005 SOLVENT RESTRICTIONS

This restricted waste category is banned from land disposal under 40 CFR 268.30 and is subject to one or more treatment standards under 40 CFR Subpart D. Complete the information in Table II below by circling the appropriate waste.

Co	nstituent Con	centration Standard in Extract, mg/1
1. 2.	Acetonen-Butyl Alcohol	
3.	Carbon Disulfide	4.81
4. 5.	Carbon Tetrachloride	0.96
5. 6.	Chlorobenzene Cresols (and cresylic acid	0.05
7.	Cylohexanone	0.75
8.	1,2-Dichlorobenzene	
9.	Ethyl acetate	0.75

Co	nstituent	Concentration Standard in Extract, mg/1				
10	Ethylbenzene	0.053				
11		0.75				
12		5.00				
13		0.75				
14		0.96				
15		0.75				
16	Methyl isobutyl ketoni	9 0.33				
17		0.125				

Co	nstituent Co	Concentration Standard in Extract, mg/1				
18	Pyridine	0.33				
19	Tetrachloroethylene	0.05				
20	Toluene	0.33				
21	1,1,1-Trichloroethane	0.41				
22	1,1,2-Trichloro-1,2,2-Trif	luoroethane 0.96				
23	Trichloroethylene	0.091				
24	Trichlorofluoromethane	0.96				
25	Xylene					

# **TABLE III**SOFT HAMMER WASTE

The following waste codes are subject to soft hammer provisions and are acceptable (based on sample review) to ThermalKEM. EPA has set treatment requirements. The following wastes are banned from land disposal effective August 8, 1988 and June 8, 1989. Complete the information below by circling the appropriate waste code.

Waste Code	Waste Description	Waste	Code Waste Descri	otion Waste	Code	Waste Description	Waste	Code Waste Descr
	s - Non-Specific Sources	P014	Benzenethiol		1-Chloro-2,3-ep	oxypropane		Methane, iodo-
	r treatment sludges from the	P016	Bis-(chloromethyl) ether		Vinyl chloride		U140	Isobutyl alcohol (I,T)
chemical co	onversion coating of aluminum	P018	Brucine		Chloroform		*U142	Kepone
	<u>-</u>	P020	Dinoseb		Chloromethyl m		U143	Lasiocarpine
261.32 Wa	stes - Specific Source	P026	1-(o-Chlorophenyl)thiourea	*U047	beta-Chloronapl	hthalene	U147	Maleic anhydride
K017 Heavy ends	s (still bottoms) from the purifica-	P027	3-Chloropropionitrile	U049	4-Chloro-o-toluid	dine, hydrochloride	U149	Malononitrile
	nn in the production of	*P037	Dieldrin	U050	Chrysene	•	U150	Melphalan
epichlorohy		P039	Disulfoton	U051	Creosole		U154	
	salts generated in the production	P048	2.4-Dinitrophenol	U053	Crotonaldehyde	•	U155	
of MSMA a	nd cacodylic acid	P049	2.4-Dithiobiuret	U057			U157	3-Methylcholanthrene
K035 Wastewate	r treatment sludges generated in	*P050	Endosulfan	U059		<b>V7</b>	*U158	4,4-Methylene-bis-(2-chloroaniline)
the product	ion of creosote	P054		*U060			U159	Methyl ethyl ketone
	r treatment sludge from the pro-		Ethylenimine	*U061			U161	Methyl isobutyl ketone (I)
duction of t		P057	Fluoroacetamide	U062			U162	
	or distillation residues from the	*P059	Heptachlor	U063		hracene	U163	
	of tetrachlorobenzene in the pro-	*P060	Isodrin	U064			U164	Methylthiouracil
duction of 2		P066	Methornyl	*U066			U165	
KOSO Emmission	control dust/sludge from secon-	P067	2-Methylaziridine	U067				
dary lead s	control dust/sludge from secon-	P068	Methyl Hydrazine		O-Dichlorobenze		U168	2-Naphthylamine
VOTO Chlorinated	melang	P069	2-Methyllactonitrile				U169	Nitrobenzene (I,T)
NU/3 Uniorinated	hydrocarbon waste from the	P070	Aldicarb	*U073		INE, 3,3-	U170	p-Nitrophenol
	step of the diaphragm cell pro-	P072	alpha-Naphthylthiourea		1,4-Dichloro-2-b		U171	2-Nitropropane
	graphite anodes in chlorine pro-	P082	N-Nitrosodimethylamine	U077			U172	N-Nitrosodi-n-butylamine
duction.		P084	N-Nitrosomethylvinylamine		1,1-Dichloroethy		U173	N-Nitrosodiethanolamine
	pottoms from aniline production	P102	Propargyl alcohol	*U080			U174	N-Nitrosodiethylamine
KU04 Wastewate	treatment sludges generated	P108	Strychnine and salts	*U083		9, 1,2-		N-Nitroso-N-ethylurea
auring the	production of veterinary phar-	P110	Tetraethyl lead	U086		razine		N-Nitroso-N-methylurea
	from arsenic or organo-arsenic	P112	Tetranitromethane (R)	U089			U178	N-Nitroso-N-methylurethane
compounds		*P123	Toxaphene	U092			U179	N-Nitrosopiperidine
	of fractionation column bottoms		,	U093			U180	N-Nitrosopyrrolidine
	oduction of chlorobenzenes		261.33 (f) Wastes - Toxic	U094		enz[a]anthracene	*U185	Pentachloronitrobenzene
	ipper discharge from the chlor-	U002	Acetone (I)	U095		nzidine		Phenol
	nator in the production of chlor-	U003	Acetonitrile (I,T)	U097	Dimethylcarbam	noyl chloride	U189	Phosphorous sulfide (R)
dane	·	U005	2-Acetylaminofluorene	U098	1,1-Dimethylhyd	frazine		Pronamide
K098 Untreated p	rocess wastewater from the pro-	U007	Acrylamide	U099	1,2-Dimethylhyd	Irazine	U193	1,2-Oxathiolane, 2,2-dioxide
duction of t	oxaphene	U008	Acrylic acid (I)	U101	2,4-Dimethylphe	enol	U196	Pyridine
K105 Separated a	aqueous stream from the reactor	U009	Acrylonitrile	U103	Dimethyl sulfate	1		Reserpine
product wa	shing step in the production of	U010	Mitomycin C	U105	2,4-Dinitrotoluen	ne		Benzene, 1,2-methylenedioxy-4-allyl-
chlorobenze	enes	U011	Amitrole	U106	2,6-Dinitrotoluen	ne	U206	Streptozotocin
K106 Wastewater	treatment sludge from the mer-		Aniline	U108	1,4-Diethyleneox		*U208	Tetrachloroethane, 1,1,1,2-
curv celi pro	ocess in chlorine production	U014	Auramine	U109	1,2-Diphenylhyd		*U209	1,1,2,2-Tetrachloroethane
,	production	U015	Azaserine	U110		n N		Tetrachloroethylene
		U016	3.4-Benzacridine	Ü111	Di-N-propylnitros			
261.33 (e) Wa	stes - Acute Hazardous	U018	Benz(a)anthracene	11114	1.2-Ethanodivibi	scarbamodithioic acid		Carbon tetrachloride
	when present at concentration	U019	Benzene	U115	Ethylene oxide	scarbamodithoic acid		Tetrahydrofuran (I)
greater than		U021	Benzidine		2-Imidazolidineth	hione		Thioacetamide
P002 1-Acetyl-2-t				11110	Ethyl methanes	illone		Thiourea
P003 Acrolein	1100004	U022	Benzo(a)pyrene		Ethyl methanesu	unonat <del>e</del>		Toluene
P003 Acidieiii P004 Aldrin		U023	Benzene, (trichloromethyl)-(C,R,T)	U122				Methylchloroform
P004 Aluili P005 Alivi alcoho	•	U025	Dichloroethyl ether	U124	Furan (I)			1,1,2-Trichloroethane
		U026	Chlomaphazine	*U127	Hexchlorobenze			Trichloroethylene
	ethyl)-3-isoxazoloi	U029	Methyl bromide	*U128		diene		Uracil mustard
P008 4-aAminopy		U031	n-Butanoi	*U129	Lindane		U238	Ethyl carbamate
P010 Arsenic acid		U035	Chlorambucil	*U130	Hexachlorocyclo	pentadiene	U239	Xylene (I)
P011 Arsenic (V)		*U036	Chlordane technical	*U131	Hexchlorethane		U244	Bis(dimethylthiocarbamoyl) disulfide
P012 Arsenic (III)	OXIGO	*U037	Chlorobenzene	U137	Indeno[1,2,3cd]p	wrong		( x · ) · · · · · · · · · · · · · · · · ·

<sup>\* &</sup>quot;These soft hammer waste codes are likely to be California Listed Waste. They would then only require a California "Waste Specific Prohibition" and not a Soft Hammer Demonstration and Certification."

## **TABLE IV**

### TREATMENT STANDARD EXPRESSED AS INCINERATION

The following wastes are subject to the technology based treatment standard "incineration." These wastes may be incinerated without imposing a performance based standard that requires analysis.

K027	nonwastewaters	P040	nonwastewaters	P109	nonwastewaters
K039	nonwastewaters	P041	nonwastewaters	P111	nonwastewaters
K113	nonwastewaters	P043	nonwastewaters	U059	nonwastewaters
K114	nonwastewaters	P044	nonwastewaters	U087	nonwastewaters
'K115	nonwastewaters	P062	nonwastewaters	U221	nonwastewaters
K116	nonwastewaters	P085	nonwastewaters	U223	nonwastewaters

# **ADDENDUM**

## Incineration Expressed as Best Demonstrated Available Technology

As of June 8, 1989, incineration has been declared the Best Demonstrated Available Technology for treatment of the following restricted wastes. If your waste is classified as any of those listed below, refer to the "Restricted Waste Notification" section on the front page of this form and to Table I.

F010	nonwastewaters	K038	nonwastewaters	P094	nonwastewaters
F024		K040	nonwastewaters	P097	nonwastewaters
K009	nonwastewaters	K043	nonwastewaters	U028	
K101	nonwastewaters	K093		U069	
K011	nonwastewaters	K094		U088	
K013	nonwastewaters	K095	nonwastewaters	U102	
K014	nonwastewaters	K096	nonwastewaters	U107	
K023	nonwastewaters	P039	nonwastewaters	U190	
K028		P071	nonwastewaters	U235	
K029	nonwastewaters	P089	nonwastewaters		•

# **ThermalKEM**



For more information contact the regional sales office in your area:

Midwest

Southfield, Michigan (313) 353-5880

Southeast

Rock Hill, South Carolina (803) 329-9690

Northeast

Mahwah, New Jersey (201) 818-0900